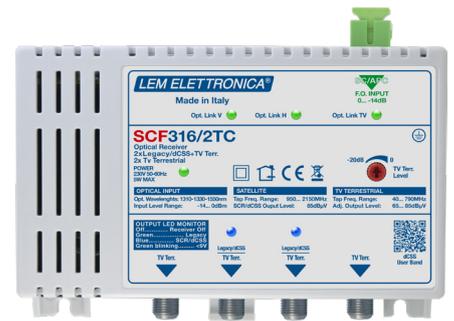


# SCF316/2TC

## Single Satellite Fibre Optic Multiswitches 2 (terrestrial + satellite) + 2 (terrestrial) outputs

- ✓ 2 x Legacy/dSCR outputs
- ✓ 2 x DTT/DAB/FM outputs
- ✓ Optical link monitor Led
- ✓ A.G.C. for each output
- ✓ Level adjuster for TV terrestrial signal



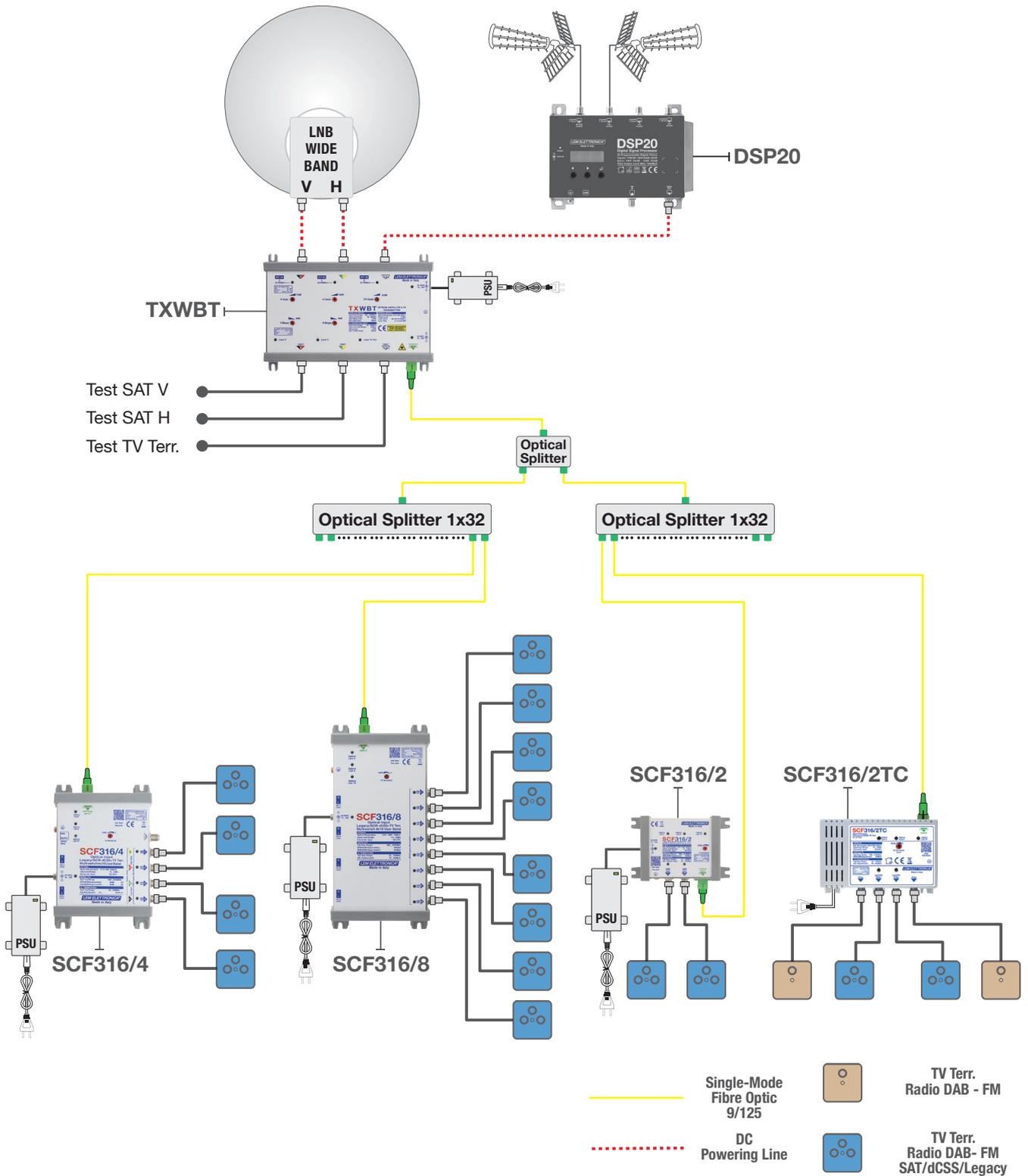
Multi-output dSCR optical converter for distribution of a one satellite and terrestrial (TV/FM/DAB) signals over a single single-mode optical fibre.

Ready for  
**UHDTV**

WARRANTY **5** YEARS

MODEL		SCF316/2TC
OPTICAL INPUT		1
OUTPUTS (TERRESTRIAL+SATELLITE)		2
TERRESTRIAL ONLY OUTPUTS		2
<b>OPTICAL</b>		
OPERATION WAVELENGTH	nm	1310 - 1330 - 1550
INPUT POWER RANGE	dBm	-14... 0
INPUT CONNECTOR TYPE		SC/APC
RETURN LOSS	dB	≥40
<b>SATELLITE</b>		
OUTPUT BANDWIDTH	MHz	950... 2150
SCR/dCSS OUTPUT LEVEL	dBμV	85
LEGACY OUTPUT LEVEL	dBμV	75
SATELLITE CONTROL STANDARDS		Universal LNB Voltage & Tone / DiSEqC 1.0 / DiSEqC 2.0
SSCR/dCSS/dSCR PROTOCOLS		EN50494 / EN50607 / SKY UK
AVAILABLE USER BAND FREQUENCY PLANS		SKY ITALIA - SKY UK / DSTV SOUTH AFRICA / POLSAT
<b>TV TERRESTRIAL / FM / DAB</b>		
OUTPUT BANDWIDTH	MHz	40... 790
SEPARATE OUTPUTS MAXIMUM LEVEL	dBμV	95
DIPLEXED OUTPUT MAXIMUM LEVEL	dBμV	85
OUTPUT LEVEL ADJUSTABLE RANGE	dB	0... -20
<b>OTHERS</b>		
ISOLATION BETWEEN SATELLITE/TERRESTRIAL	dB	≥ 40
ISOLATION V / H	dB	> 30
OUTPUT RETURN LOSS	dB	> 12
MAXIMUM CONSUMPTION	W	5
AC INPUT POWER		100... 240V 50/60Hz
OPERATING TEMPERATURE	°C	0... 50
DIMENSIONS	mm	134x102x44

# Connection Diagram



## Distribution of a satellite and terrestrial feed (DTT; FM; DAB) over a single mode optical fibre

The TXWBT headend converts and transmits over a single-mode fibre optical cable the terrestrial feeds and the transponders of a satellite received from a Wide Band LNB. Each SCF316 series optical converter output provides terrestrial and satellite signals supporting the legacy or dSCR standards (AUTO-SWITCH).